

SPECIFICATION

Product Name: Molten Menthol
Chemical Formula: C ₁₀ H ₂₀ O
CAS Number: 2216-51-5
Molecular Weight: 156.27 g/mol
Appearance: Colorless, clear liquid, Odor Characteristic and pleasant of minty.
Odor: Strong, characteristic minty odor, Refreshing and cooling aroma

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Specific Rotation at 20°C (2.5g, ethanol, 25ml)	°C	- 49.5°	-45.0° to -51.0°
Examine the chromatography obtained in the test for related substance	%	99.123%	Minimum 99.0% {Dissolve 0.2 gm of the substance to be examined in methylene chloride R and dilute to 50 ml with the same solvent.}

Physical Properties

- Solubility: Practically insoluble in water, freely soluble in alcohol, freely soluble in chloroform, freely soluble in ether, freely soluble in oils (fixed & essential oils).

Shelf Life & Storage

- Shelf Life: 5 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a well-closed, airtight container. Keep in a cool place (preferably below 25 °C). Protect from heat and direct sunlight (menthol is volatile). Keep in a dry environment away from moisture. Store away from strong oxidizing agents.

Applications

- Use: Acts as a cooling agent and mild local anesthetic. Used in cough syrups, lozenges, and throat drops. Used in pain relief balms, ointments, and gels. Used in creams, lotions, gels, and face wash. Used in steam inhalation and essential oil blends. Used in cooling gels and insect bite products.
- Dosage: Depends on application, route, desired effect, formulation, safety, regulations.

Packaging

- Standard Packing: 180 Kgs net, In new & Air tight Galvanized Barrels.
- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.